

# PATENT ABSTRACTS OF JAPAN

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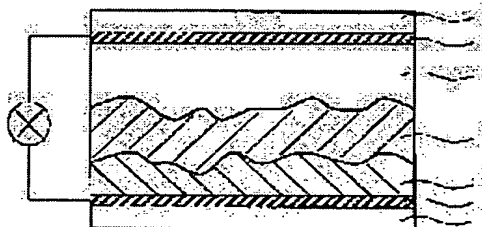
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## (54) PHOTOELECTRIC CONVERTER

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the problem that a light absorbing range of a dye used for spectral sensitizing is limited, in a dye sensitized solar battery, and the battery cannot effectively absorb a solar light from visible to near infrared region, and hence a high conversion efficiency like that of a silicon solar battery is not liable to be obtained.

SOLUTION: A photoelectric converter comprises a conductive support, a multilayer porous photoelectric conversion layer, a conductive layer and paired electrodes. The converter having an excellent photoelectric conversion efficiency is obtained by applying a light absorption wavelength of the different dye into the respective layers of the conversion layer, sequentially applying shorter maximum absorbing wavelength from a photodetecting surface, and thereby utilizing a solar light of a



wide region.

## LEGAL STATUS

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